# US 29 PEDESTRIAN AND BIKE BRIDGE

November 2, 2016



Office of Transportation

Department of Public Works

- **6:30 Introduction and Purpose**
- **6:40** Presentation on options
- 7:10 Question and answers
- 7:40 Review of boards with staff/consultants

#### Feedback:

Presentation on line November 3, Office of Transportation website

Tonight in person, comment cards, or

E-mail to:

dcookson@howardcountymd.gov

**By November 14, 2016** 

#### AGENDA

#### CAPITAL **PROJECT**

#### Fiscal 2017 Capital Budget

Project: B3863-FY2013 DOWNTOWN COLUMBIA-OAKLAND MILLS CONNECTION **IMPROVEMENTS** 

**BRIDGE PROJECTS** Number: B3863

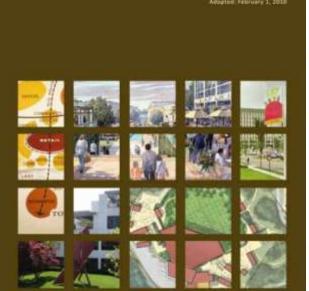
Description

Operating Budget Impact

A project to provide a feasibility study, design and construction of enhancements Annual Bond Redemption \$ \$42,750 to existing and potential future connections over US29.



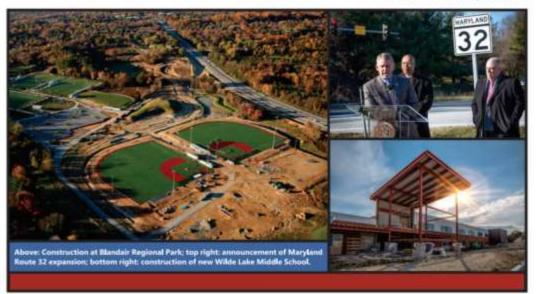
# DOWNTOWN COLUMBIA PLAN A General Plan Amendment



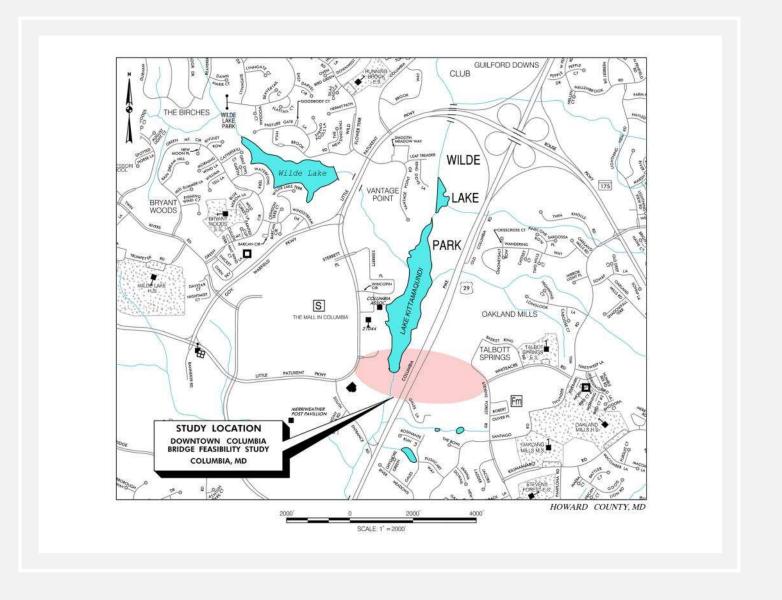
#### **Howard County Maryland**

Approved Capital Budget Fiscal Year 2017

Allan H. Kittleman, County Executive



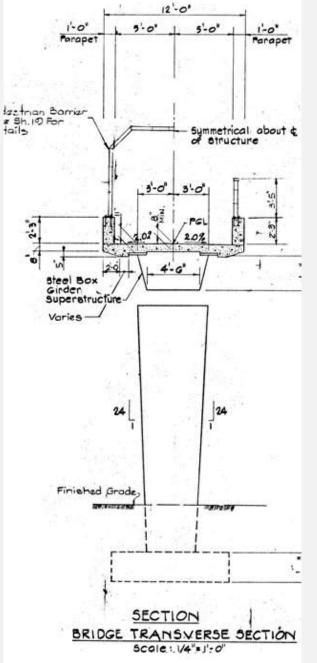
#### BRIDGE LOCATION











#### **EXISTING BRIDGE**

#### Description

Six span bridge
Single steel box girder system
Concrete deck
679 feet length

#### **Condition**

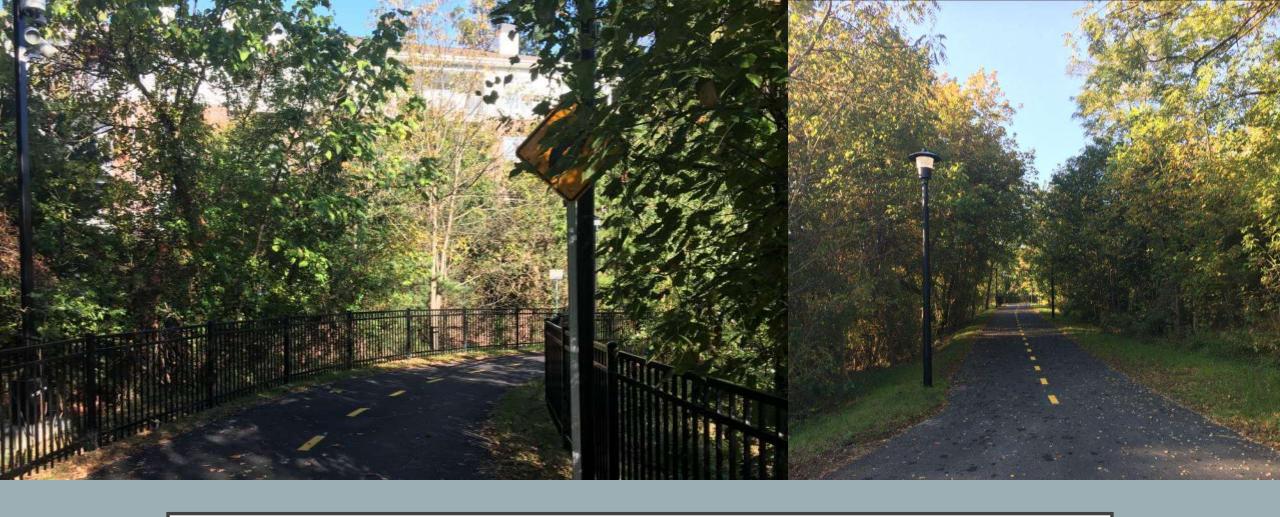
Deck in good condition

Parapet coating peeling in spots

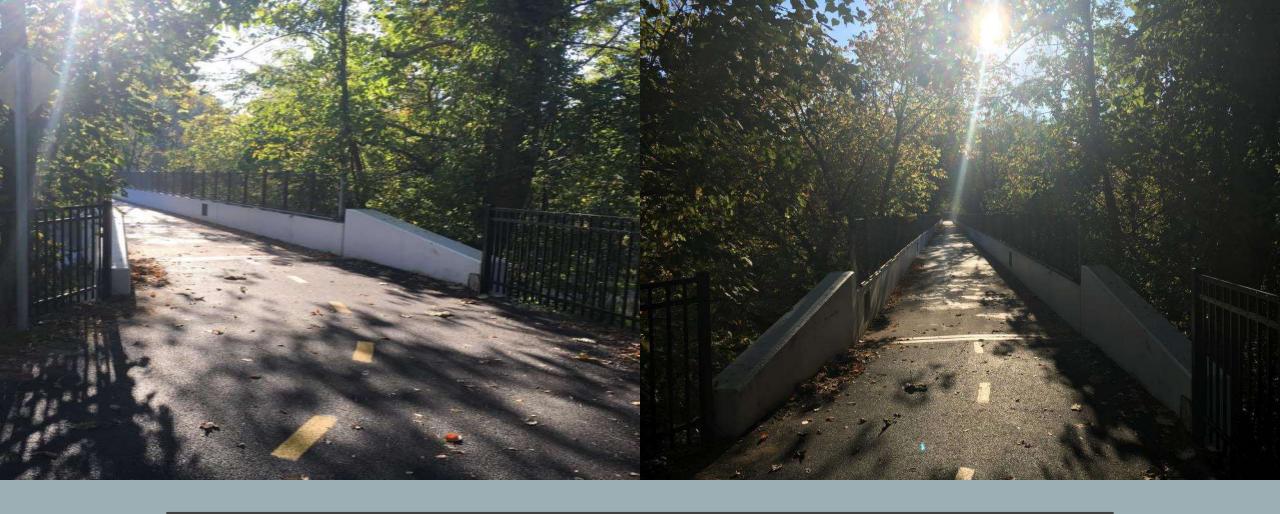
Girder is in very good condition.

Painted within 3 years

Substructure in very good condition



### **EXISTING APPROACHES**



### **EXISTING APPROACHES**



#### **ALTERNATES**

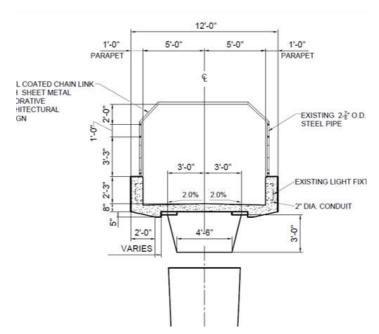
I Replace Fencing

IA Replace Fencing and Cage

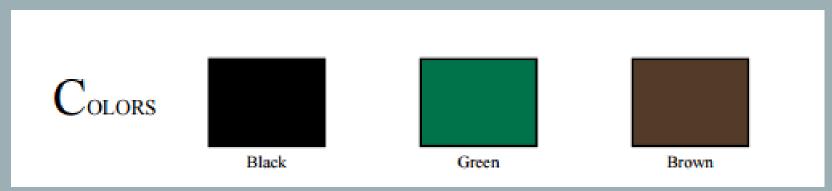
Geodesic Tube with Spiral

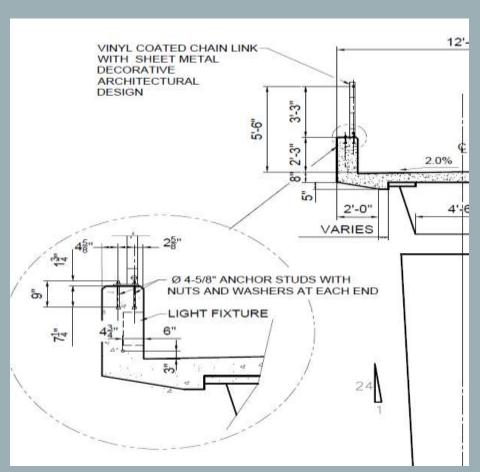
Space Frame





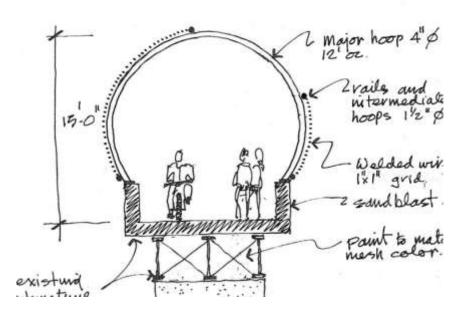
#### ALTERNATE I REPLACE FENCING



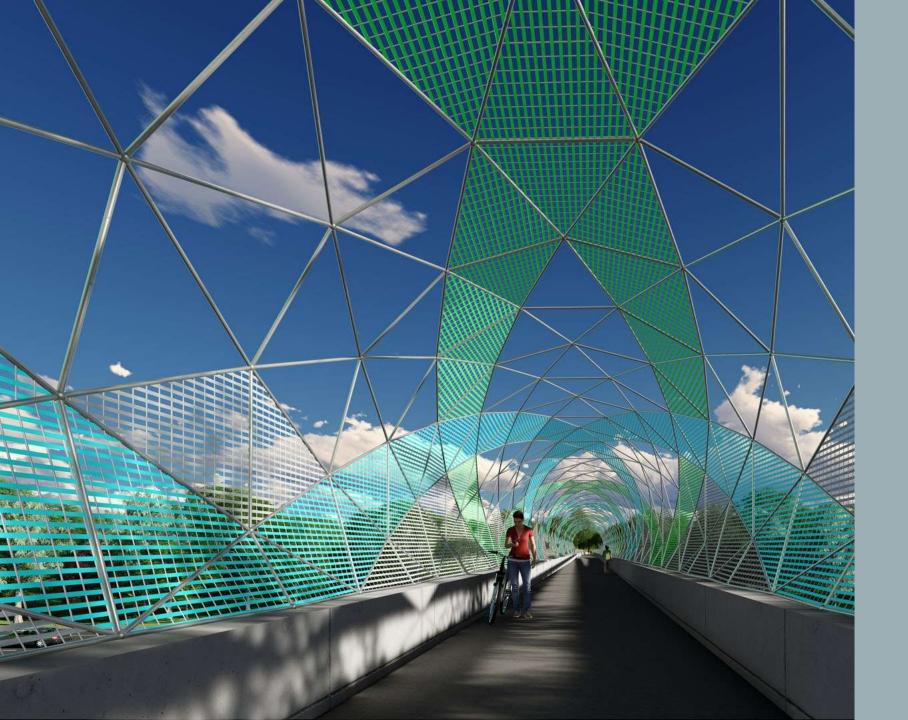


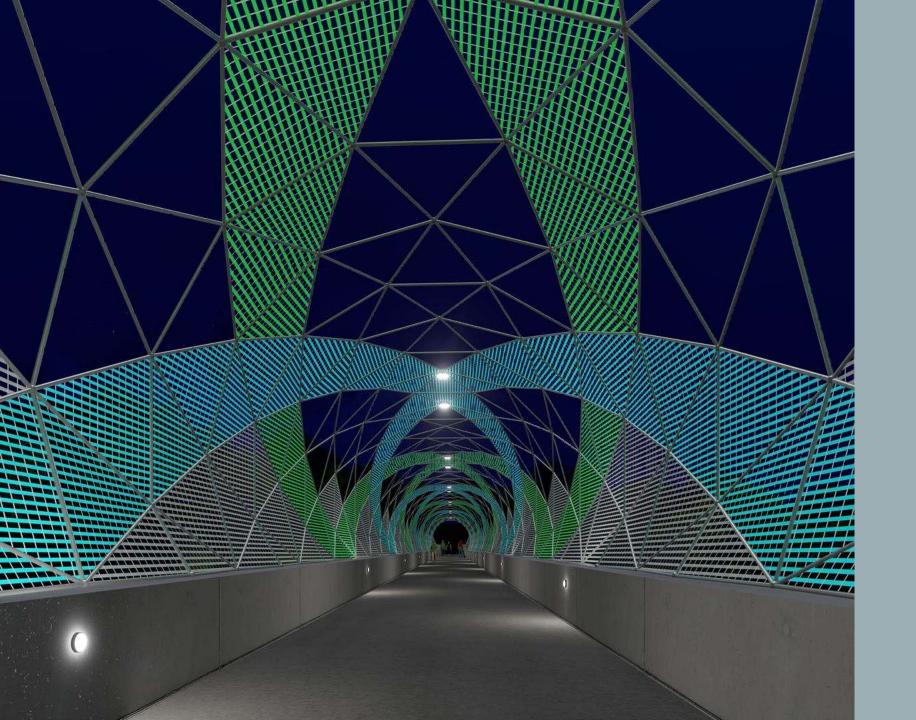
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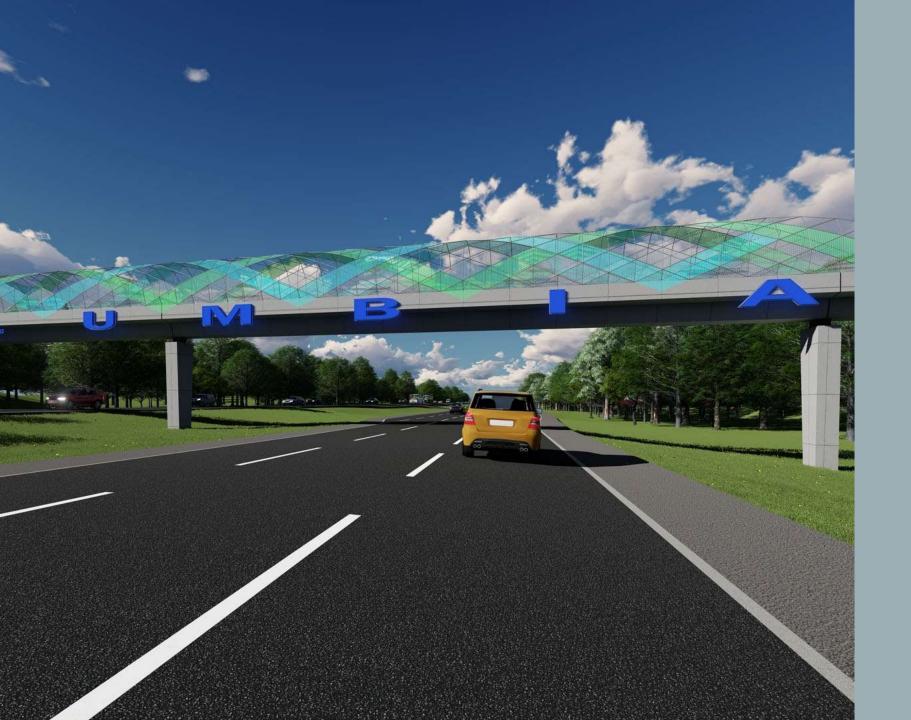


## ALTERNATE IA – REPLACE FENCING AND CAGE









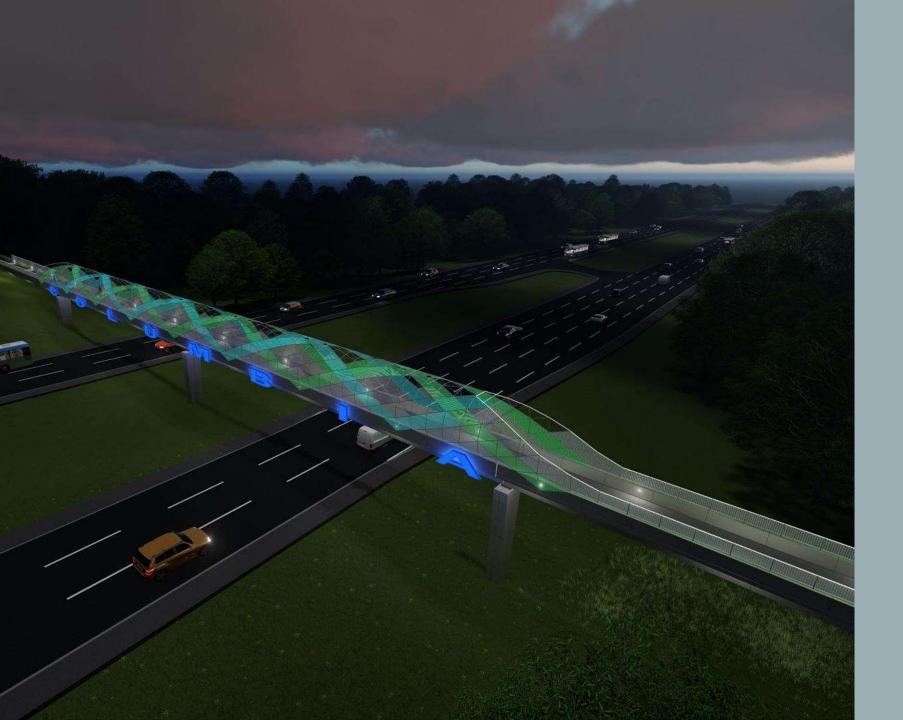


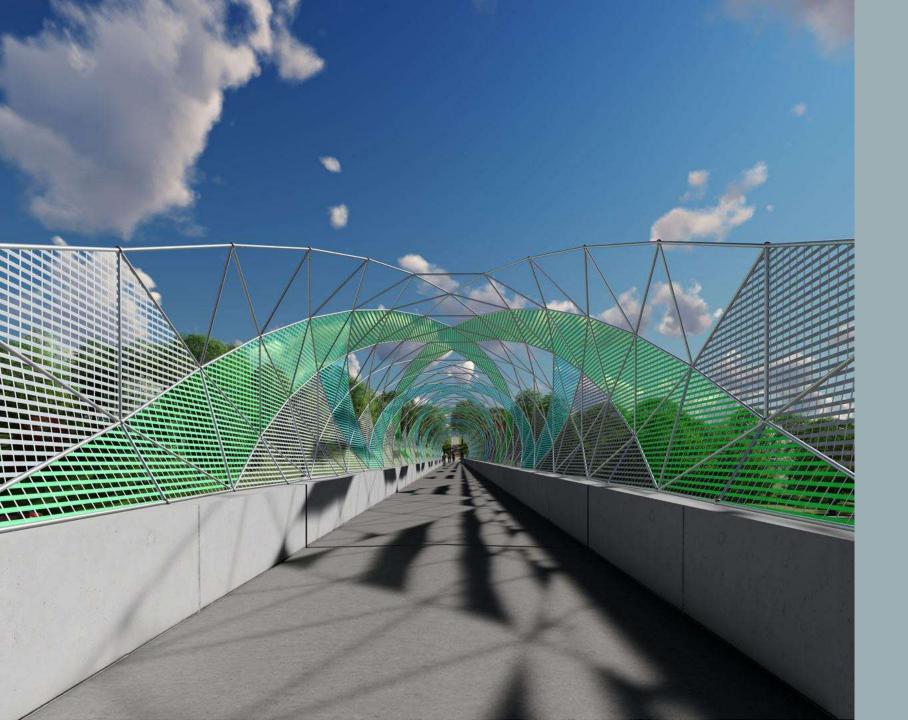






















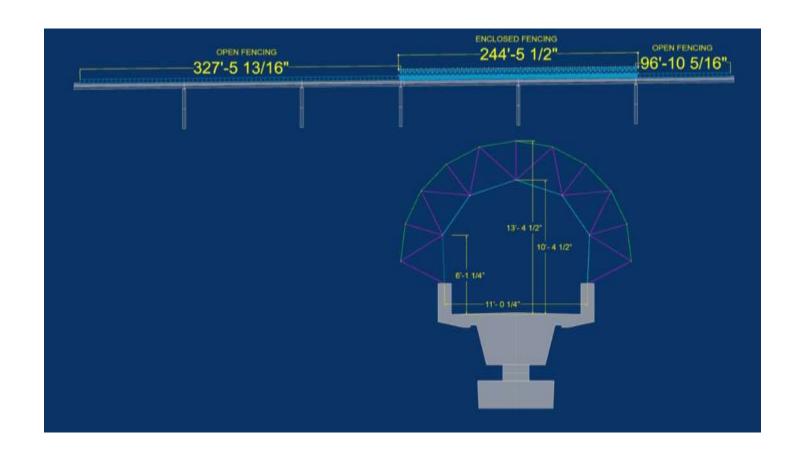












### SUMMARY OF COSTS

Alternate No. / Description	Bridge Retrofit Cost	Lighting	'Columbia' letters each side of bridge	Fiber Optic Cost for Cameras	Anti-Graffiti Coating (inside parapets only	Engineering/Design and Contingency (25%)	Total
0. No Build	\$	\$	0	\$	\$	\$	\$
I. Replace Fencing	\$77,000	\$71,000	\$82,000	\$50,000	\$17,250	\$75,000	\$375,000
IA. Replace Framing and Fencing	\$334,000	\$94,000				\$145,000	\$725,000
2. Geodesic Tube with Spiral	\$734,000	\$101,000				\$245,000	\$1,225,000
3. Space Frame	\$965,000	\$108,000				\$305,000	\$1,525,000

#### COMMENTS AND FEEDBACK

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- Tonight in person, comment cards, or E-mail to: <u>dcookson@howardcountymd.gov</u>
- By November 11, 2016